



IMPROVED LUBRICANT COMPOSITION CONTAINING THIOPHOSPHORIC ESTER AND DITHIOPHOSPHORIC ESTER**Publication number:** JP11217577**Publication date:** 1999-08-10**Inventor:** FLETSCHINGER MICHAEL; ROHRBACH PETER;
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RIBEAUD MARC**Applicant:** CIBA SC HOLDING AG**Classification:****- International:** **C10M101/00; C10M141/10; C10M169/04; C10N40/04;**
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C10M141/00; C10M169/00; (IPC1-7): C10M101/00;
C10M169/04; C10M101/00; C10M105/02; C10M129/20;
C10M137/10; C10M169/04; C10N40/04; C10N40/08;
C10N40/20; C10N50/10**- European:** C10M141/10**Application number:** JP19980283396 19980918**Priority number(s):** CH19970002202 19970918**Also published as:** EP0903399 (A1) EP0903399 (B1)**Report a data error here****Abstract of JP11217577**

PROBLEM TO BE SOLVED: To obtain the subject composition having improved compatibility with water and remarkably reducing the trend for formation of undesired hydrolysate, by including a specific base oil, specific two kinds of compounds and a specific oily additive. **SOLUTION:** This composition is obtained e.g. by including (A) a base oil usable as, preferably, e.g. grease, a metal working fluid, gear fluid or hydraulic fluid and having a lubricant viscosity, (B) a thiophosphoric ester of formula I (R1 to R3 are each a 3-20C hydrocarbon), (C) a dithiophosphoric ester or a phosphoric thioester of formula II (X is O or S; R1 to R3 are each an unsubstituted or substituted 3-20C hydrocarbon), (D) at least one kind of oily additive selected from polyol partial esters, amines and epoxides, and if necessary, (E) an ammonium phosphate ester of formula III (R1 and R2 are each a 1-20C hydrocarbon; Ra to Rd are each H or a 1-20C hydrocarbon) and (F) a usual oily additive or the like.

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